



## SW POLICY

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# SOFTWARE CM POLICY

## ◆ GOAL

- To develop a navy wide system for recording and updating the software configuration of Fleet units along with hardware configuration.

## ◆ RATIONALE

- Software configurations must be not only accurately recorded, but widely accessible
- Several systems and processes are used today
- A common system is required for recording configuration

# SOFTWARE POLICY

## ◆ Advantages

- Single source for software CM information
- Widely visible and readily accessible
- Will reduce the number of Data Call demands
- Improved accuracy
- Software/Hardware association
- Clear software policy
- Assist BGI by identifying platforms in need of focused resources ensuring the targeted platforms can deploy with her !

# SOFTWARE POLICY

## ◆ Objectives

- Establish, document, and maintain S/W configuration baselines
- Identify afloat software to its application
- Document revisions, patches, and other changes
- Identify S/W configuration managers

## ◆ Implementation

- Proposed process
- Develop prototype
- Execute prototype
- Evaluate prototype
- Refine and implement final process

# SOFTWARE POLICY PROTOTYPE

## ◆ Objectives

- Ensure a workable process
- Refine required data elements
- Identify changes to CDMD-OA
- Identify resource requirements
- Metrics to measure effectiveness
  - ◆ 1. Is the software identification data accurate?
  - ◆ 2. How long does it take to initialize data.
  - ◆ 2. What changes to the established baseline occur? List type of change – s/w upgrades, and/or typos/corrections to data.
  - ◆ 3. TCD: How many emergent changes occur.
  - ◆ 4. How many records per system – Initial load, maintenance, and at the end?
  - ◆ 5. How many records/files are sent to SEA 53?
- Measure effectiveness and resource utilization
- Execute process on a Battle Group

# SOFTWARE POLICY PROTOTYPE PHASES

- ◆ Phase I – Generated Test Work files and transmission (completed)
- ◆ Phase II – AWS, CG 55 (in progress)
- ◆ Phase III – Execute Prototype
- ◆ Phase IV – Once completed; notification

# SOFTWARE POLICY

- ◆ Ship/Hull (UIC)
- ◆ Designated Combat/C4I System
- ◆ Software version designation
  - Add software records to existing hardware records
  - Identify media on which software resides
  - Identify hardware item on which software operates (NHA)
  - Provide opportunity to record special characteristics or description of changes

# SOFTWARE POLICY

## DATA VALIDATION

Current:

- ◆ Shipboard Audits
- ◆ Feedback from operating units
- ◆ Feedback from AMPS (SEA 53) and AMP (SEA 04) databases
- ◆ ISEA updates and comments
- ◆ CDM updates and comments

Future:

- ◆ Looking where s/w validations best fits within the corporation.



# SOFTWARE POLICY ROLES

## ◆ SEA04L5/SPM/PARM

- Define S/W Configuration Management Process
- Develop and implement prototype process
- Submit SRS for required CDMD-OA changes
- Develop and promulgate guidance for S/W CM process
- Measure effectiveness

## ◆ ISEAs/SSAs/SPM/PARM

- Define software configurations
- Generate Work Files containing required S/W data
- Measure effectiveness

## ◆ CDMs/SPM/PARM

- Review and validate the Work Files
- Upload the Work Files
- Measure effectiveness